

Erie County Water Authority

3030 Union Road • Cheektowaga, New York 14227-1097 716-684-1510 • FAX 716-684-3937

INVITATION TO BID

Bids, as stated below, will be received and publicly opened by the Secretary to the Authority in accordance with the attached specifications. FAX bids are unacceptable. Bids must be submitted in a sealed envelope to:

TERRENCE D. McCRACKEN SECRETARY TO THE AUTHORITY C/O CASHIER'S OFFICE ERIE COUNTY WATER AUTHORITY 295 MAIN STREET, ROOM 350 BUFFALO, NEW YORK 14203

<u>NOTE</u>: Lower left hand corner of envelope <u>MUST</u> indicate the following:

BID DESCRIPTION: Chemistry and Microbiology Proficiency Samples and Chemistry Standards for Three Years from February 1, 2019 to January 31, 2022.

PROJECT No.: 201900009

OPENING DATE: Tuesday, ????????????, 201? TIME: ????? a.m.

FOR: Chemistry and Microbiology Proficiency Samples and Chemistry Standards.

NAME OF BIDDER:

If you are submitting other Advertisements to Bid, each bid must be enclosed in a separate envelope.

The following EXHIBITS are attached to and made a part of the bid specifications and part of any agreement entered into pursuant to this Advertisement to Bid. If an Exhibit does not have an X on the line preceding it, then the Exhibit is not required for this particular bid.

	EXHIBIT "D"	- Bid Bond
X	EXHIBIT "G"	- Non-Collusive Bidding Certification
X	EXHIBIT "I"	- Section 139 of State Finance Law
_	EXHIBIT "P"	- Performance Bond
_	APPENDIX "A"	- Women and Minority Business Enterprise Policy
_	APPENDIX "B"	- Insurance
_	APPENDIX "C"	- Prevailing Wage Rate Schedule

NOTICE TO BIDDERS

The Erie County Water Authority will receive separate, sealed bids for the furnishing of all specified materials, etc. for ERIE COUNTY WATER AUTHORITY, CHEMISTRY AND MICROBIOLOGY PROFICIENCY SAMPLES AND CHEMISTRY STANDARDS FOR THREE YEARS FROM FEBRUARY 1, 2019 TO JANUARY 31, 2022.

All bids being mailed (including FedEx, UPS, Priority Mail, etc.) <u>or</u> hand-delivered to the Erie County Water Authority shall be directed to the "CASHIER'S OFFICE" at the address listed above in a sealed envelope and be clearly marked on the outside of the mailing or hand-delivered envelope "BID ENCLOSED-ECWA Chemistry and Microbiology Proficiency Samples and Chemistry Standards for Two Years and Six Months from February 1, 2019 to January 31, 2022". Failure to follow the above instructions could result in rejection of the bid.

In accordance with State Finance Law §§139-j and 139-k, all questions about meaning or intent of the bidding documents shall be submitted to the designated contact person in writing. The designated contact is John J. Mogavero, Chemist/Chief WTPO, Van de Water Treatment Plant, 3750 River Road, Tonawanda, New York 14150, telephone 716-685-8323.

The Erie County Water Authority reserves the right to reject any and all bids or to accept any bid deemed to be for the best interest of the Water Authority even though the bid chosen may result in the award of the contract to a bidder whose bid is not mathematically lowest.

ERIE COUNTY WATER AUTHORITY

TERRENCE D. McCRACKEN Secretary to the Authority

ERIE COUNTY WATER AUTHORITY

INSTRUCTIONS TO BIDDERS

- 1. BID SHALL BE SUBMITTED ON THESE ERIE COUNTY WATER AUTHORITY (HEREINAFTER ECWA) BID FORMS or bid will not be considered. Bid must be typed or printed in ink. Original autograph signatures in ink are required. Facsimile or rubber stamp signatures will not be accepted. ALL PAGES OF THIS BID DOCUMENT MUST BE RETURNED INTACT.
- 2. LATE PROPOSALS. Any bids received at the ECWA after the date and time prescribed will not be considered for contract award.
- 3. EMERGENCY CLOSINGS. In the event of an emergency closing of certain ECWA facilities and/or operations and/or services due to any flood, fire, fire drill, power failure, uncontrolled weather conditions or other cause beyond the Secretary to the Authority's control, only bids received prior to the date and time or postmarked as of the date prescribed will be considered for contract award.
- 4. ANY CHANGE IN WORDING OR INTERLINEATION OF THE ADVERTISEMENT AS PUBLISHED BY THE ECWA shall be reason to reject the proposals in the event that such change in the Advertisement to Bid is not discovered prior to entering into a contract, to void any contract entered into pursuant to such bid. Proposals may be rejected if they show any omissions, alterations of form, additions not called for, conditional or alternate bids other than are provided for in the proposal form, escalation clauses or irregularities of any kind.
- 5. THE ECWA, IN THE BEST INTERESTS OF THE PUBLIC, RESERVES THE RIGHT TO REJECT any and all bids, to accept either in whole or in part any one bid or combination of bids as may be provided in the bid specifications, and to waive any informalities in bids. The ECWA does not obligate itself to accept the lowest or any other proposal, and reserves the right to re-bid.
- 6. CONTRACT(S) OR PURCHASE ORDER(S) WILL BE AWARDED after due consideration of the suitability of goods and/or services bid to satisfy these specifications, the total cost of such goods and/or services including all cost elements, and the timeliness of the agreed upon delivery date.
- 7. Award of portions of the Contract shall be based upon various Bidders' abilities to provide the Goods specified, as well as OWNER'S consideration of cost. Cost consideration shall be on a Section by Section basis.
- 8. THIS EXECUTORY CLAUSE shall be a part of any agreement entered into pursuant to this bid:

IT IS UNDERSTOOD BY THE PARTIES THAT THIS AGREEMENT SHALL BE EXECUTORY ONLY TO THE EXTENT OF THE MONIES AVAILABLE TO THE ECWA AND APPROPRIATED THEREFORE, AND NO LIABILITY ON ACCOUNT THEREOF SHALL BE INCURRED BY THE ECWA BEYOND THE MONIES AVAILABLE AND APPROPRIATED FOR THE PURPOSE THEREOF.

- 9. FAILURE TO MEET DELIVERY SCHEDULE as per accepted bid may result in legal action by the ECWA to recover damages.
- 10. PRICES SHALL BE QUOTED F.O.B. DESTINATION.
- 11. COLLECT TRANSPORTATION CHARGES WILL NOT BE PAID BY THE ECWA. All freight, cartage, rigging, postage or other transportation charges shall be prepaid and included in the bid. There will be no additional charges for delivery.
- 12. NO TAXES ARE TO BE BILLED TO THE ECWA. Bids shall not include any State or local excise, sales, transportation or other tax, unless State law specifically levies such tax on purchases made by a public benefit corporation created by the State of New York. The ECWA Purchase Order is an exemption certificate. Any applicable taxes from which the ECWA is <u>not</u> exempt shall be listed separately as cost elements and added into the total net bid.
- 13. THE SUCCESSFUL BIDDER shall comply with all laws, rules, regulations and ordinances of the Federal Government, the State of New York and any other political subdivision or regulatory body which may apply to Bidder's performance under this contract.
- 14. GRATUITIES, ILLEGAL OR IMPROPER SCHEMES. The ECWA may terminate contracts or purchase orders, if it is determined that gratuities in the form of entertainment, gifts or otherwise were offered or given by a vendor, his agent or representative to any ECWA official or employee with a view towards securing favorable treatment with respect to the awarding of this bid or the performance of the contract or purchase order. The ECWA may also terminate a contract or purchase order if it is determined that the successful bidder engaged in any other illegal or improper scheme promotive of favoritism or unfairness incidental to the bidding process or the performance of the contract or purchase order. In the event that it is determined that said improper or illegal acts occurred, the ECWA shall be entitled to terminate the contract or purchase order and/or exercise any other remedy available to it under existing law.
- 15. ANY CASH DISCOUNT which is part of a bid <u>will be</u> considered as a reduction in the bid prices in determining the award of the bid. Date of invoice must not precede date of delivery. The ECWA policy is to pay all claims in a timely manner within the specified time. However, if for some reason payment is delayed, the ECWA will take the discount when payment is made. The ECWA will not pay any interest charges nor refund discount amounts taken after the discount period. If this procedure is unsatisfactory, please quote net.
- 16. ANY ADDITIONAL INFORMATION which bidder desires to add to the bid shall be written on a separate sheet of paper attached to and submitted with the formal sealed bid to be read at the formal opening.
- 17. <u>WARRANTY</u>: Notwithstanding anything to the contrary herein contained, BIDDER agrees that the warranties as prescribed by the Laws of the State of New York are and will remain in effect; that this warranty and the time to exercise said warranty in effect at the

time of the breach, if any, caused by any breach or by any hidden or latent defect will be as prescribed by the Laws of the State of New York. The obligations of BIDDER herein are independent of any other obligations.

- 18. THIS BID IS FIRM AND IRREVOCABLE for a period of 45 days from the date and time of the bid opening. If a contract is not awarded within the 45 day period, a bidder to whom the bid has not been awarded may withdraw his bid by serving written notice upon the Secretary to the Authority of his intention to do so.
- 19. PRICES CHARGED TO THE ERIE COUNTY WATER AUTHORITY are to be <u>no higher</u> than those offered to any other governmental or commercial consumer. If a bidder has a New York State or a Federal GSA contract for any of the items covered in this bid or any similar items, he shall so indicate that he has said contract on these bid papers and automatically supply a copy of this contract within five days after notification of award.
- 20. PRICE IS FIRM. The unit prices bid shall remain firm and any other charges bid shall also remain firm for delivery of the equipment, material, work, or services described in this bid. No cost increase shall be charged for any reason whatsoever.
- 21. EXTENSION OF PRICE PROTECTION. Any contract entered into pursuant to this bid to supply the ECWA requirements of goods and/or services for a definite period of time as stated in the attached specifications may be extended for not more than two successive periods of equal length at the same bid price upon the mutual agreement of the successful bidder and the ECWA. All extensions shall be submitted in writing and shall have prior approval by the Secretary to the ECWA.
- 22. IN EXECUTING THIS BID, THE BIDDER AFFIRMS that all of the requirements of the specifications are understood and accepted by the bidder, and that the prices quoted include all required materials and services. The undersigned has checked all of the bid figures, and understands that the ECWA will not be responsible for any errors or omissions on the part of the undersigned in preparing this bid. Mistakes or errors in the estimates, calculations or preparation of the bid shall not be grounds for the withdrawal or correction of the bid or bid security. In case of error in extension of prices in the bid, the unit price will govern.
- 23. ACCOUNTABILITY. The undersigned shall be fully accountable for his or its performance under this bid or any contract or purchase order entered into pursuant to this bid, and agrees that he or its officers will answer under oath all questions relevant to the performance thereof and to any transaction, act or omission done or omitted in connection therewith if called before any Judicial, County or State officer or agency empowered to investigate the contract or his performance.

BID SPECIFICATIONS/BIDDERS PROPOSAL/CONTRACT

BID DESCRIPTION: Chemistry and Microbiology Proficiency Samples and Chemistry Standards for Three Years from February 1, 2019 to January 31, 2022.

PROJECT No.: 201900009

Ship to:ERIE COUNTY WATER AUTHORITY, Van de Water Water Treatment PlantAttention:John J. Mogavero, Chemist/Chief WTPOAddress:3750 River Road, Tonawanda, New York 14150

* Quantities are schedule by ECWA personnel.

gy	<u>No.</u>	per Year * 40	Sets	Sets of 10 drinking water		per Year
gy	1	40	Sets	Sets of 10 drinking water		
gy				5		
60				microbiology proficiency tests for		
0				Total Coliform / E.coli for both		
iol				presence/absence and enumeration;		
rol				samples will be scheduled by		
<i>lic.</i>				locations: Van de Water, Sturgeon		
Section 1: Microbiology				Point, and Water Quality Laboratory.		
n l	2	40	Ea.	Drinking water microbiology		
tio				standard plate count proficiency test;		
Sec				samples will be scheduled by		
-1				locations: Van de Water and		
				Sturgeon Point,		
	3	40	Ea.	Shipping for Section 1.		
	Total Net Bid Delivered Inside for Section 1: Microbiology \$					\$
	Potable Water					
	4	40	Ea.	Minerals(Alkalinity,Calcium,		
				Hardness, Conductivity, Chloride).		
	5	40	Ea.	Nutrients for Fluoride.		
try	6	40	Ea.	Residual Chlorine (Free Chlorine and		
nis				Total)		
hei	7	45	Ea.	Turbidity		
; C	8	45	Ea.	pH samples		
n 2	9	45	Ea.	UV254		
Section 2: Chemistry	Non Potable Water					
Se	10	32	Ea.	Settable Solids		
	11	4	Ea.	Total Suspended Solids.		
	12	40	Ea.	Shipping for Section 2.		
	Total	Net Bid Deliv	vered Ins	ide for Section 2: Chemistry ———	<u>→</u>	\$
TOTA	AL NI	ET BID DEL	IVERED	INSIDE (Section 1 + Section 2) —	<u></u>	\$

NOTE: Bid results are available on the Erie County Water Authority website, <u>www.ecwa.org</u> (under Doing Business tab, select option Business Opportunities). No bid results will be given over the telephone.

The Bidder agrees to supply all material/equipment/labor above-described at the above-quoted price and in accordance with all applicable Bid Specifications.

NAME OF BIDDER:	
AUTHORIZED SIGNATURE:	DATE:
ECWA CHAIR SIGNATURE:	DATE:

INFORMATION REQUIRED FROM BIDDERS AT TIME OF CANVASS OF BIDS

To facilitate correct drawing and execution of contract, bidder shall supply full information concerning legal status:

FIRM NAME			
ADDRESS OF PRINCIPAL	OFFICE: STREE	ET	
	CITY		
AREA CODE PH	ONE	STATE	ZIP
Check one: CORPORATIO			
INCORPORATED UNDER	THE LAWS OF T	HE STATE OF	
If foreign corporation, state if	authorized to do b	ousiness in the State of	f New York:
	YES	NO	
TRADE NAMES:			
ADDRESS OF LOCAL OFF			
AREA CODE PH			
NAMES AND ADDRESSES	OF PARTNERS:		
IDENTIFICATION #: (COM			
Federal Employer Identificati			
Social Security Number:			

NON-COLLUSIVE BIDDING CERTIFICATION

as mandated by Public Authority Law, Section 2878

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:

(1) The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;

(2) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and

(3) No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

NOTICE

(Penal Law, Section 210.45)

IT IS A CRIME, PUNISHABLE AS A CLASS A MISDEMEANOR UNDER THE LAWS OF THE STATE OF NEW YORK, FOR A PERSON, IN AND BY A WRITTEN INSTRUMENT, TO KNOWINGLY MAKE A FALSE STATEMENT, OR TO MAKE A FALSE STATEMENT, OR TO MAKE A STATEMENT WHICH SUCH PERSON DOES NOT BELIEVE TO BE TRUE.

BID NOT ACCEPTABLE WITHOUT FOLLOWING CERTIFICATION:

Affirmed under penalty of pen	jury this	day	y	, <u>20</u>
TERMS	DELIVERY D	ATE AT DES	TINATION	
FIRM NAME				
ADDRESS				
			ZIP	
AUTHORIZED SIGNATUR	Е			
TYPED NAME OF AUTHORIZED SIGNATURE				
TITLE		TELEPHO	NE No	

FORMS A, B, and C

SECTION 139 OF STATE FINANCE LAW

Pursuant to State Finance Law §§139–j and 139–k, this Invitation to Bid includes and imposes certain restrictions on communications between a Governmental Entity and an Offerer/bidder during the procurement process. An Offerer/bidder is restricted from making contacts from the earliest notice of intent to solicit offers, through final award and approval of the Procurement Contract by the Governmental Entity. The designated contact is identified in the Notice to Bidders. Governmental Entity employees are also required to obtain certain information when contacted during the restricted period and make a determination of the responsibility of the Offerer/bidder pursuant to these two statutes. Certain findings of non-responsibility can result in rejection for contract award and in the event of two findings within a 4-year period, the Offerer/bidder is debarred from obtaining governmental Procurement Contracts. Further information about these requirements can be found in §§139–j and 139–k of the New York State Finance Law and the Erie County Water Authority's Procurement Disclosure Policy.

Form A - Offerer's Affirmation of Understanding of and Agreement pursuant to State Finance Law.

Form B - Offerer's Certification of Compliance with State Finance Law.

Form C - Offerer's Disclosure of Prior Non-Responsibility Determinations.

Contract Termination Provision.

FORM A

Offerer's Affirmation of Understanding of and Agreement Pursuant to State Finance Law §139–j(3) and §139–j(6)(b)

Instructions:

A Governmental Entity must obtain the required affirmation of understanding and agreement to comply with procedures on procurement lobbying restrictions regarding permissible contacts in the restricted period for a procurement contract in accordance with State Finance Law §139–j and §139–k. It is required that this affirmation be obtained as early as possible in the procurement process, but no later than when the Offerer submits its proposal.

Offerer affirms that it understands and agrees to comply with the procedures of the Government Entity relative to permissible contacts as required by State Finance Law 139-j(3) and 139-j(6)(b).

By:	Date:
Name:	
Title:	
Contractor Name:	
Contractor Address:	

FORM B

Offerer's Certification of Compliance With State Finance Law §139-k(5)

Instructions:

A Governmental Entity must obtain the required Certification that the information is complete, true, and accurate regarding any prior findings of non-responsibility, such as non-responsibility pursuant to State Finance Law §139–j. The Offerer must agree to the Certification and provide it to the procuring Governmental Entity. It is required that the Certification be obtained as early as possible in the process, but no later than when an Offerer submits its proposal.

Offerer Certification:

I certify that all information provided to the Governmental Entity with respect to State Finance Law §139–*k is complete, true, and accurate.*

By:	Date:
Name:	
Title:	
Contractor Name:	
Contractor Address:	

FORM C

Offerer's Disclosure of Prior Non-Responsibility Determinations

Background:

New York State Finance Law \$139-k(2) obligates a Governmental Entity to obtain specific information regarding prior non-responsibility determinations with respect to State Finance Law \$139-j. In accordance with State Finance Law \$139-k, an Offerer must be asked to disclose whether there has been a finding of non-responsibility made within the previous four (4) years by any Governmental Entity due to: (a) a violation of State Finance Law \$139-j; or (b) the intentional provision of false or incomplete information to a Government Entity.

The terms "Offerer" and "Governmental Entity" are defined in State Finance Law §139–k(1). State Finance Law §139–j sets forth detailed requirements about the restrictions on contacts during the procurement process. A violation of State Finance Law §139–j includes, but is not limited to, an impermissible contact during the restricted period (for example, contacting a person or entity other than the designated contact person, when such contact does not fall within one of the exemptions).

As part of its responsibility determination, State Finance Law \$139-k(3) mandates consideration of whether an Offerer fails to timely disclose accurate or complete information regarding the above non-responsibility determination. In accordance with law, no Procurement Contract shall be awarded to any Offerer that fails to timely disclose accurate or complete information under this section, unless a finding is made that the award of the Procurement Contract to the Offerer is necessary to protect public property or public health safety, and the Offerer is the only source capable of supplying the required Article of Procurement within the necessary timeframe. See State Finance Law \$139-j(10)(b) and \$139-k(3).

Instructions:

A Governmental Entity must include a disclosure request regarding prior non-responsibility determinations in accordance with State Finance Law §139–k in its solicitation of proposals or bid documents or specifications or contract documents, as applicable, for procurement contracts. The attached form is to be completed and submitted by the individual or entity seeking to enter into a Procurement Contract. It shall be submitted to the Governmental Entity conducting the Governmental Procurement no later than when the Offerer submits its proposal.

FORM C (Continued)

Offerer's Disclosure of Prior Non-Responsibility Determinations

Name of Individual or Entity Seeking to Enter into the Procurement Contract:

Address:

Name and Title of Person Submitting this Form:

Contract Procurement Number:

Date: _____

1. Has any Governmental Entity made a finding of non-responsibility regarding the individual or entity seeking to enter into the Procurement Contract in the previous four years? (Please circle): No Yes

If yes, please answer the next questions:

- 2. Was the basis for the finding of non-responsibility due to a violation of State Finance Law §139–j (Please circle): No Yes
- 3. Was the basis for the finding of non-responsibility due to the intentional provision of false or incomplete information to a Governmental Entity? (Please circle) No Yes
- 4. If you answered yes to any of the above questions, please provide details regarding the finding of non-responsibility below.

Governmental Entity:

Date of Finding of Non-Responsibility:

Basis of Finding of Non-Responsibility:

(Add additional pages as necessary)

FORM C (Continued)

5.	Has any Governmental Entity or other governmental agency terminated or withheld a Procurement Contract with the above-named individual or entity due to the intentional provision of false or incomplete information? (Please circle): No Yes					
6.	5. If yes, please provide details below. Governmental Entity:					
	Date of Termination or Withholding of Contract:					
	Basis of Termination or Withholding:					
	(Add additional pages as necessary)					
	ferer certifies that all information provided to the Governmental Entity with respect to State hance Law §139-k is complete, true, and accurate.					
By	: Date:					
	Signature					
Na	me:					
Tit	le:					

Contract Termination Provision

Instructions:

A Contract Termination Provision will be included in each Procurement Contract governed by State Finance Law §139–k. New York State Finance Law §139-k(5) provides that every procurement contract award subject to the provisions of State Finance Law §§139–k and 139–j shall contain a provision authorizing the Governmental Entity to terminate the contract in the event that the certification is found to be intentionally false or intentionally incomplete. This statutory contract language authorizes, but does not mandate, termination. "Government Entity" and "procurement contract" are defined in State Finance Law §139–k(1).

This required clause will be included in a covered procurement contract.

A sample of the Termination Provision is included below. If a contract is terminated in accordance with State Finance Law 139-k(5), the Governmental Entity is required to include a statement in the procurement record describing the basis for any action taken under the termination provision.

Sample Contract Termination Provision

The Governmental Entity reserves the right to terminate this contract in the event it is found that the certification filed by the Offerer in accordance with New York State Finance Law §139–k was intentionally false or intentionally incomplete. Upon such finding, the Governmental Entity may exercise its termination right by providing written notification to the Offerer in accordance with the written notification terms of this contract.

BID SPECIFICATIONS

BID DESCRIPTION: CHEMISTRY AND MICROBIOLOGY PROFICIENCY SAMPLES AND CHEMISTRY STANDARDS FOR THREE YEARS FROM FEBRUARY 1, 2019 TO JANUARY 31, 2022.

PROJECT No. 201900009

To meet ELAP Protocol for Training and Proficiency Testing, the Erie County Water Authority must be in-kind to the NYSDOH/ELAP Potable Water Chemistry and Bacteriology Proficiency Program to maintain NYSDOH Laboratory approval. Samples must meet NELAC requirements in addition to the specification noted herein.

Proficiency Samples will be scheduled by Senior Water Treatment Plant Operator by location: Van de Water and Sturgeon Point

Analysts shall enter results online for rapid return posting results as acceptable or unacceptable. Each analyst shall be able to print a certified report of their results from the online site. Online site shall permit an administrator(s) to review records.

Microbiological Proficiency Testing – Potable Water

Qualifier must demonstrate in writing to meet all specifications as listed:

- 1. Samples must be ready to use whole volume (not lyophilized, vitroid, or gel based).
- 2. Samples must have a 14-day holding time.
- 3. Samples must be available during any month.
- 4. Coliform/ E.coli samples will be shipped as single set of 10 samples per set.
- 5. Results must allow for evaluation of both presence/absence and quantitative results for Coliform/ E.coli sample sets.
- 6. Sample sets must have different results.
- 7. Heterotrophic plate count samples will consist of a single sample per set.

Chemistry Proficiency Samples – Potable and Non-Potable Water Analysis

- 1. Samples for Potable analysis are Alkalinity, Calcium Hardness, Fluoride, Conductivity, pH, UV254, Turbidity, Chloride and Free Chlorine Residual.
- 2. Non-Potable Total Chlorine Residuals, Settable Solids (for each analysts) and Total Suspended Solids(two analysts per plant).
- 3. Samples to have a one-year expiration date from date samples are shipped.
- 4. Each training sample must have unique training lot number per sample