

Rexxip™ buffers

Product Information Sheet

D0021887/C

- Save time in assay development
- Maximize immunoassay performance
- Compatible with a variety of molecules with different analytical properties

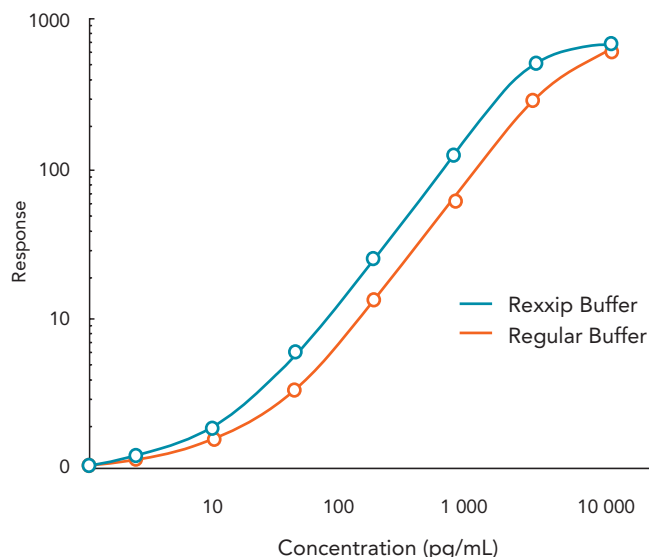


Rexxip buffers – improved assay performance

Rexxip™ buffers are designed to ensure that every sample enters and flows optimally through the microfluidic channels of a Gyrolab® CD. Using the optimal buffer can enhance binding between analyte and reagent and minimize the risk of non-specific binding.

An example is shown below of how the performance of an assay can be improved by changing to Rexxip buffer. The precision (CV) is greatly improved whilst maintaining linearity.

Sample	Conc. (pg/mL)	Rexxip Buffer		Regular buffer	
		Mean Response (n=3)	CV Response	Mean Response	CV Response %
Blank	0	0.87	1.8	1.07	8.15
Standard 1	2.56	1.08	7.7	1.21	10.2
Standard 2	12.8	1.87	4.6	1.63	16.3
Standard 3	64	5.83	1.6	3.44	26.6
Standard 4	320	25.2	1.3	13.6	16.2
Standard 5	1600	122	1.7	62.1	30.7
Standard 6	8000	514	7.2	288	18.6
Standard 7	40000	687	5.7	616	6.7



Rexxip buffers – improved assay performance

Rexxip buffer selection

Using the optimal Rexxip buffer for each assay will boost assay performance. To ensure uniform buffer conditions, samples, standards and quality controls should all be diluted into the same preferred Rexxip buffer.

The Rexxip buffer range has been developed to take into account the many different parameters that may influence assay performance, such as application objective, type of analyte, biological origin, and components of the sample and assay format.

Rexxip buffers contain protective proteins and water based salt solution. Some of the Rexxip buffers also contain specific additives as indicated in the table.

Storage of Rexxip buffers

Refrigerate at +4°C to +8°C. Do not freeze.

Shelf life (unopened package): see product label.

Shelf life (opened package): 3 months if contamination is avoided by use of adequate pipetting routines. Contamination will reduce shelf life.

REXXIP BUFFER Additives	A / A-max	AN / AN-max	H / H-max	HN / HN-max	HX / HX-max	F	CCS	ADA
	SALT	NEUTR	SALT NEUTR	NEUTR DET	DET	DET	DET	DET
Primary use								
Detection reagent buffer						•		
Recommended buffer if none of the below conditions apply	•							
Hydrophobic analyte					•	•		
Human and nonhuman primate samples (e.g. serum and plasma)								
Positively charged analyte, $pI \geq 8$				•				
Analyte with $pI < 8$			• *		• **			
Animal samples (nonprimate)								
Positively charged analyte, $pI \geq 8$		•						
Cell culture samples with high protein concentration Analyte is a therapeutic protein								
Positively charged analyte, $pI \geq 8$		•						
Analyte with $pI < 8$							•	
Anti-drug antibody samples								
Acidic conditions								•

*) First option, **) Second option

SALT: Increased ionic strength

NEUTR: Reagents to neutralize heterophilic antibodies, e.g. HAMA

DET: Detergent

Rexxip-max buffers are designed for sample dilutions 1:2.

Regular Rexxip buffers should be used for sample dilutions > 1:2.

Ordering information

Product number	Product name	Volume (mL)
P0004820	Rexxip A	25
P0004821	Rexxip A-max	25
P0004822	Rexxip H	25
P0004823	Rexxip H-max	25
P0004994	Rexxip AN	25
P0004995	Rexxip AN-max	25
P0020033	Rexxip HX	25
P0020034	Rexxip HX-max	25

Product number	Product name	Volume (mL)
P0004996	Rexxip HN	25
P0004997	Rexxip HN-max	25
P0004824	Rexxip CCS	25
P0004825	Rexxip F	10
P0020027	Rexxip ADA	25

Certain Rexxip buffers are also available in 10 x 100 mL (1L). Please contact your local sales representative for more information

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