

Rexxip buffer

Introduction

The Rexxip® buffer range has been developed to take into consideration 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. To ensure best possible assay performance it is recommended to dilute samples, standards and quality controls in Rexxip buffers prior to analysis. The dilutions should be performed so that samples, standards and quality controls in a run are as similar as possible with respect to Rexxip buffer properties.

During assay development it is important to select the Rexxip buffer that generates the best assay performance, and to minimize the sample dilution factor. For example, using Rexxip A-max instead of Rexxip A ensures less sample dilution while maintaining essentially the same buffer characteristics as for samples diluted by a larger factor in Rexxip A. The same applies for Rexxip H-max and Rexxip H, Rexxip HN-max and Rexxip HN, Rexxip AN-max and Rexxip AN and Rexxip HX and Rexxip HX-max.

Table 1: Rexxip buffer range

Product number	Buffer name	Volume (ml)	Composition	Property/Additive	Primary use
P0004820	Rexxip A	25	1 x standard formulation	-	<ul style="list-style-type: none"> • Buffer of choice unless analytes are positively charged or hydrophobic or if heterophilic antibodies are present in sample. • Rexxip A for dilutions > 1+1 • Rexxip A-max for dilutions = 1+1
P0004821	Rexxip A-max	25	2 x standard formulation	-	
P0004994	Rexxip AN	25	1 x standard formulation	Increased ionic strength	<ul style="list-style-type: none"> • For positively charged analytes - see also Rexxip A and Rexxip A-max. • Rexxip AN for dilutions > 1+1 • Rexxip AN-max for dilutions = 1+1
P0004995	Rexxip AN-max	25	2 x standard formulation	Increased ionic strength	
P0004822	Rexxip H	25	1 x standard formulation	Neutralizing reagents*	<ul style="list-style-type: none"> • For samples containing heterophilic antibodies (e.g. human or cyno samples) and where the assay format (Ab/Ab) could cause false positives. • Rexxip H for dilutions > 1+1 • Rexxip H-max For dilutions = 1+1
P0004823	Rexxip H-max	25	2 x standard formulation	Neutralizing reagents*	
P0004996	Rexxip HN	25	1 x standard formulation	Increased ionic strength, Neutralizing reagents*	<ul style="list-style-type: none"> • For positively charged analytes and samples containing heterophilic antibodies - see also Rexxip H and Rexxip H-max. • Rexxip HN for dilutions > 1+1 • Rexxip HN-max for dilutions = 1+1
P0004997	Rexxip HN-max	25	2 x standard formulation	Increased ionic strength, Neutralizing reagents*	
P0020033	Rexxip HX	25	1 x standard formulation 3	Detergent, Neutralizing reagents*	<ul style="list-style-type: none"> • For samples containing heterophilic antibodies (e.g. human or cyno samples) and where the assay format (Ab/Ab) could cause false positives. • Suitable for human GLP-1 • Rexxip HX for dilutions > 1+1 • Rexxip HX-max For dilutions = 1+1
P0020034	Rexxip HX-max	25	2 x standard formulation 3	Detergent, Neutralizing reagents*	
P0004824	Rexxip CCS	25	1 x standard formulation 2	-	<ul style="list-style-type: none"> • For cell culture supernatants with high protein content, and analyte with pI<8.
P0020027	Rexxip ADA	25	1x standard formulation 4	Detergent	<ul style="list-style-type: none"> • For analysis of anti-drug antibodies using Gyrolab Mixing CD, and at acidic conditions
P0004825	Rexxip F	10	1 x standard formulation	Detergent	<ul style="list-style-type: none"> • For dilution of detection reagent, and an option for hydrophobic analytes

*=Reagents to neutralize heterophilic antibodies e.g. HAMA.

Rexxip buffer

Certain Rexxip buffers are available in larger quantities to support samples requiring large dilution steps or when sample preparation steps are automated. See Table 2.

Table 2: Rexxip buffers available in 10 x 100 mL (made to order)

Product number	Buffer Name	Volume
P0020301	Rexxip A	10 x 100 mL
P0020302	Rexxip F	10 x 100 mL
P0020357	Rexxip HN	10 x 100 mL
P0020356	Rexxip AN	10 x 100 mL
P0020359	Rexxip HX	10 x 100 mL
P0020678	Rexxip CCS	10 x 100 mL
P0020201	Rexxip H	10 x 100 mL

Safety and MSDS sheets

For research use only. MSDS sheets can be downloaded from www.gyrosproteintechnologies.com

Instructions

1. Rexxip buffers are not compatible with >1 mM divalent cations, e.g. Ca²⁺.
2. Allow Rexxip buffers to reach ambient room temperature before use.
3. Ensure that pipetting routines are designed to minimize contamination, e.g. use clean pipettes, new tips, and avoid frequent pipetting directly out of the Rexxip bottle. Contamination may reduce the utility/shelf life of the buffers.
4. Do not agitate. Foaming of buffers must be avoided.
5. Further details on sample and reagent preparation and instrument operation are found in Gyrolab User Guide, supplied with Gyrolab[®] xPand, Gyrolab[®] xP workstation and Gyrolab xPlore[™].

Storage

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

Shelf life (unopened bottle): Specified on product label.

Shelf life (opened bottle): 3 months.

Certificate of analysis

A certificate of analysis is available upon request.
