

THE solution for stool samples!

Stool sample tubes with dipstick:

accurate
hygienic
simple
time-saving



Excellent correlation
with alternative methods

Easy preparation of a defined stool sample solution



optimized!
easier handling

- No weighing of faecal material, no direct stool contact
- No centrifugation necessary
- Facilitated handling due to dipstick with click connector
- Suitable for direct use on automated systems
- Available tubes: empty or prefilled with extraction buffer
- Free sample on request

Stool sample tubes

For preparation of a defined stool sample solution

Accurate analysis of faecal material – a challenge in laboratory diagnostics

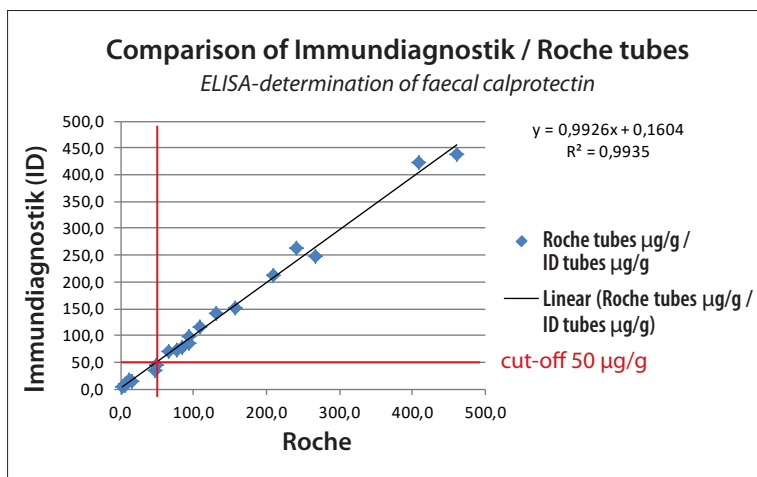
The preparation of a defined stool sample solution is critical for the accurate determination of faecal parameters by ELISA. Conventional methods require sample extraction steps such as stool weighing and centrifugation. During sampling and weighing, the lab personnel is confronted with direct stool contact and the difficulty of exact weighing of faecal material with varying consistency.

Stool sample tubes with dipstick for a hygienic sample preparation

The stool sample tube by Immundiagnostik enables the hygienic preparation of a defined faecal sample solution with minimal stool contact and without multiple steps that require special equipment. The innovative tube contains a dipstick with notches that hold exactly 15 mg of stool and thus facilitates clean and exact sampling. After the stick has been placed back into the tube (thereby stripping off excess material), a simple shaking step is sufficient to dissolve the faecal material in the buffer (manuals see back side of the flyer). The stool suspension can now be used for the planned ELISA assay.

Immundiagnostik and Roche tubes correlate in ELISA analysis

We have compared the quality of stool sample solutions prepared with our tubes and with the conventional stool extraction system by Roche Diagnostics GmbH using ELISA analysis of several faecal parameters. As depicted in the graph below, we have determined the calprotectin concentration in 20 stool samples with an established gastroenterological diagnosis utilizing our *IDK*[®] Calprotectin ELISA. For sample preparation, we used our tubes as well as the Roche tubes. The latter have been used according to the manufacturers manual, including exact weighing of faecal material.




Accurate calprotectin determination

The results of the calprotectin analysis with our tubes compared to the Roche tubes exhibit an excellent correlation with a coefficient of 0.99 and a slope of 0.99 (see figure on the left). Therefore, both stool sample preparation methods do not differ in the ELISA determination of calprotectin. Especially in the lower clinically relevant concentration range there is no diagnostic discrepancy. Further ELISA tests with other faecal parameters produced similar results with high correlations.

Stool sample tubes with broad application in ELISA analysis

Our stool sample tubes are suited for the ELISA analysis of a variety of faecal parameter in gastroenterology. The stool sample solution can simply be processed according to the respective ELISA manual in a manual or automated way. Immundiagnostik offers the sample tubes empty or filled with a buffer solution which corresponds with the respective ELISA at a dilution of 1:50 or 1:100 (see table on next page).

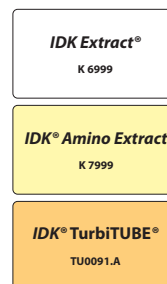
Stool sample tubes combine perfectly with Immundiagnostik's stool diagnostics

Stool sample tubes	for stool sample preparation of	Puffer-Verdünnung
Empty tubes K 6998SAS		
<p>IDK Extract® K 6999</p>  <p>Tube filled with 1.5 mL extraction buffer <i>IDK Extract®</i></p>	<i>IDK® Calprotectin</i> (K 6927, K 6967)	1:100
	<i>IDK® Pancreatic Elastase</i> (K 6915)	
	Lactoferrin (K 6870)	
	<i>IDK® Hemoglobin</i> (K 7816D, K 7836 D)	
	<i>IDK® Hemo-Haptoglobin-Complex</i> (K 7817D, K 7837D)	
	anti-tissue transglutaminase Ab (K 9393)	
	anti-Gliadin Ab (K 9311)	
	<i>IDK® sIgA</i> (K 8870, K 8880)	
	<i>IDK® α₁-Antitrypsin</i> (K 6750, K 6760)	
	Albumin (K 6330)	
	<i>IDK® EDN</i> (K 6811, K 6821)	
	Lysozyme (K 6900, K 6901)	
β-Defensin 2 (K 6500)		
<i>IDK® Bile acids</i> (K 7878)		
<p>IDK® Amino Extract K 7999</p> <p>Tube filled with 0.75 mL extraction buffer <i>IDK® Amino Extract</i></p>	<i>IDK® Serotonin</i> (K 6881)	1:50
	GABA (K 7009)	
	<i>IDK® Tryptophan</i> (K 7729)	
	Histamine (K 8213)	
<p> Tubes filled with ELISA-specific buffer</p>	for all other products	on request
<p>IDK® TurbiTUBE® TU0091.A</p> <p>for PETIAs</p> <p>Tube filled with 1.5 mL extraction buffer <i>IDK® TurbiTUBE®</i></p>	<i>IDK® TurbiCAL®</i> (TU1021) (determines calprotectin in human stool samples)	1:100
	<i>IDK® TurbiFIT®</i> (TU1031) (determines hemoglobin in human stool samples)	
	<i>IDK® TurbiPEL®</i> (TU1011) (determines pancreatic elastase in human stool samples)	

Stool sample tubes: the superior sample preparation system in stool diagnostics

Our stool sample tubes are ideal for the preparation of defined stool sample solutions to use in the ELISA and PETIA analysis of faecal parameters.

Minimal stool contact combined with an easy and time-saving handling outmatch alternative sample preparation systems – a genuine facilitation of the daily routine in the laboratory diagnostics of faecal parameters in gastroenterology.



Instructions for the preparation of a stool sample solution

Upon request, we can provide you with the following instructions for preparing a stool sample solution with our SAS tubes:

- SAS tubes filled with extraction buffer **IDK Extract® K 6999**
- SAS tubes filled with extraction buffer **IDK® Amino Extract K 7999**
- SAS tubes unfilled **K 6998SAS**
- SAS tubes filled with extraction buffer **IDK® TurbiTUBE® TU0091.A**

The image displays four overlapping instruction sheets for preparing stool sample solutions. Each sheet is for a different SAS tube model:

- Top-left sheet (Cat. no. K 6999):** Details the preparation of a stool sample solution using IDK Extract. It includes steps for processing faecal material, application of the stool sample tube, and a dilution table.
- Top-right sheet (Cat. no. K 7999):** Details the preparation of a stool sample solution using IDK® Amino Extract. It includes steps for processing faecal material, application of the stool sample tube, and a dilution table.
- Bottom-left sheet (Cat. no. K 6998SAS):** Details the preparation of a stool sample solution using an unfilled SAS tube. It includes steps for processing faecal material, application of the stool sample tube, and a dilution table.
- Bottom-right sheet (Cat. no. TU0091.A):** Details the preparation of a stool sample solution using IDK® TurbiTUBE®. It includes steps for processing faecal material, application of the stool sample tube, and a dilution table.

Each sheet contains detailed instructions, diagrams of the SAS tube and dipstick, and a dilution table. The dilution tables are as follows:

Sample	Applied amount of stool	Buffer volume	Total dilution factor
Stool samples	15 mg	1.5 ml	1:100
Dilution with 0.75 ml buffer	15 mg	0.75 ml	1:50

Sample	Applied amount of stool	Buffer volume	Total dilution factor
Stool samples	15 mg	1.5 ml	1:100
Dilution with 0.75 ml buffer	15 mg	0.75 ml	1:50

Sample	Applied amount of stool	Buffer volume	Total dilution factor
Stool samples	15 mg	1.5 ml	1:100
Dilution with 1.5 ml buffer	15 mg	1.5 ml	1:100

US: all products: Research Use Only. Not for use in diagnostic procedures.

