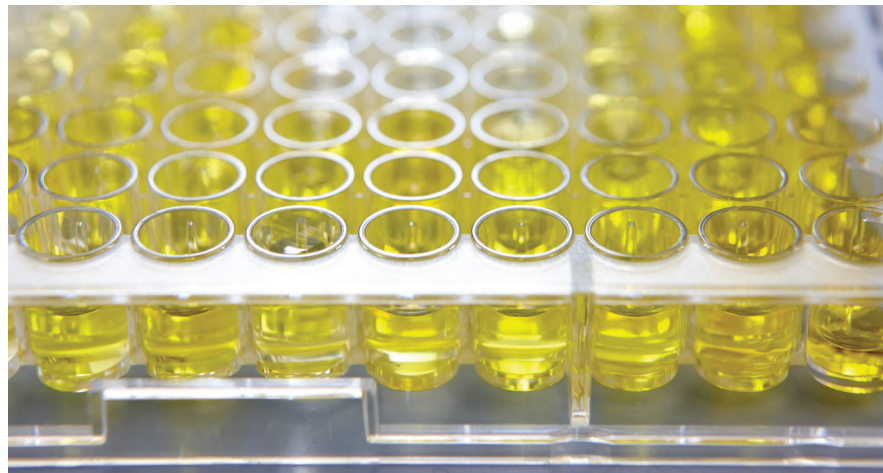


INTRINSIC FACTOR

EINECS Number	232-711-9
Alternative Names	Vitamin B12-binding protein, Factor VII, Intrinsic Factor protein
Assay Principle (IF Content)	<p>Intrinsic Factor binds specifically to Vitamin B12. The coating of a Vitamin B12-BSA conjugate to the ELISA plate allows for the extent of Intrinsic Factor binding to be investigated.</p> <p>A Mouse monoclonal Anti-Intrinsic Factor antibody is used to identify the concentration of Intrinsic Factor bound to the Vitamin B12. The Antibody bound to the Intrinsic Factor on the plate is identified by use of an Anti Mouse AP conjugate. PNPP substrate is used to develop signals, read at an absorbance of 405nm on a plate reader.</p>

What is pernicious anaemia?

Intrinsic Factor is primarily used in the diagnosis of pernicious anaemia, a condition caused by a vitamin B12 deficiency. Prevalence in the general population varies from around 3% - 5%, and increases dramatically to 5% - 20% among people older than 65 years.



The role of Intrinsic Factor in diagnosis

Intrinsic Factor has a high affinity and specificity to vitamin B12, which makes it ideal for use in immunoassays. Most commercial assays utilise a competitive binding technique generating a chemiluminescent signal. Commercial assays can usually detect to a level of ~50 pg/ml vitamin B₁₂.

Why choose BBI for your supply?

BBI is the only commercial manufacturer of high purity Intrinsic Factor. BBI's porcine Intrinsic Factor is manufactured in the UK, under a quality system compliant with ISO 13485:2016. Using our expertise in raw material sourcing and protein purification we achieve exceptional purity, making BBI the supplier of choice.

Key Benefits

+ SUPPLY SECURITY

Fully manufactured by BBI Solutions at our Crumlin site, ensuring control over manufacturing processes and supply chain

+ HIGH PURITY

Intrinsic Factor has a purity of >95% ensuring optimal performance in your assay

+ PROVEN PERFORMANCE

Porcine Intrinsic Factor works in a range of immunoassay formats

+ HIGH QUALITY

Manufactured under a Quality System compliant with ISO 13485:2016 with stringent QC analysis for every batch

Order your evaluation sample today

Product Code	Product Details
IF Content	> 1.00 x10 ₆ ng/ml (IF functional ELISA)
Purity	>95% by size exclusion chromatography
Source	Porcine stomach sections
Presentation	Supplied as a solution in R/O water

FAQ's

WHAT ASSAYS CAN IT BE USED IN?

BBI's Intrinsic Factor is designed to be used in enzyme immunoassays for vitamin B12.

WILL THE BUFFER INTERFERE WITH THE ASSAY?

No. The product is supplied in R/O water, which is preservative free to eliminate any interferences.

HOW IS THE PURITY TESTED?

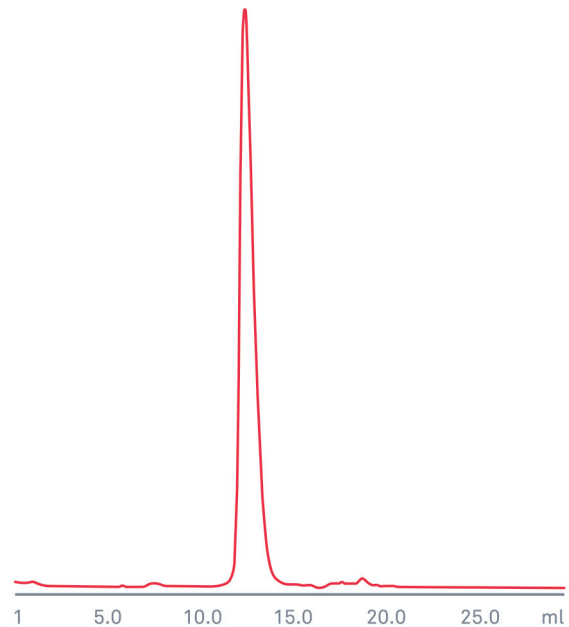
The product purity is tested by SEC using a Superose 12 column.

HOW SHOULD THE MATERIAL BE STORED?

Intrinsic Factor should be stored between -10°C and -25°C.

Product Analysis

Size Exclusion Chromatography, demonstrating a purity of >95%.



Intrinsic Factor	IF1	>95% purity	Porcine stomach pyloric section	Immunoassay
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Related Products

Application Area	Product Name	Code	Activity
Immunoassays	Peroxidase	HRP4	> 250 U/mg material
Immunoassays	Peroxidase	HRP4B	> 250 U/mg material
Immunoassays	Peroxidase	161451BBI	> 250 U/mg material
Immunoassays	Alkaline Phosphatase	ALPI12G	> 2000 Glycine U/mg

Order a sample today sales@bbisolutions.com

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