



Qualification Specification

SVQ in Bioprocessing Operations in the Science Industries at SCQF level

7

Qualification Number: GV4K 47

Who is this qualification for?

The Level 7 SVQ in Bioprocessing Operations in the Science Industries will develop knowledge and skills in processing environment in the chemical, pharmaceutical, petrochemical or nuclear sector.

The qualification is at Level 7, although some units may be at different levels.

The qualification has been developed in a way to allow employees from companies of all sizes and specialisms equal opportunity to complete.

Entry requirements

There are no formal entry requirements for learners undertaking this qualification, however individuals must be carrying out a role that will enable them to show they have the required competence and knowledge to meet the qualification aims.

Qualification support

This qualification has been designed and developed by GQA Qualifications with industry support.

Regulatory information

Countries offered in:	Scotland
Qualification type:	Occupational qualification
Subject/sector areas	Laboratory Ops and Science
Qualification operational start date:	01/01/2024
Applicable age ranges (years):	18+

Further information

Further information about this qualification can be obtained from: www.gqaqualifications.com/qualifications

You can also contact GQA Qualifications directly at:

GQA Qualifications Ltd, Unit 1, 12 O'clock Court, Sheffield S4 7WW.

Tel 01142 720033, email to info@gqaqualifications.com

Qualification achievement

It is not expected that all workers will complete exactly the same tasks, so the qualification has been designed to allow flexibility and in turn, as wide an uptake as possible.

Individuals must complete the 5 mandatory units and 5 optional units.

The unit of assessment sets out learning outcomes which describe what learners need to be able to do and understand.

The learning outcomes are defined by assessment criteria which are used to assess competence, expressed as skills achieved and learned knowledge and understanding, to achieve the units. GQA Qualifications will issue a certificate complete with the learner's name, the qualification and unit title and the credits achieved.

Qualification Structure

Qualification Title:	SVQ in Bioprocessing Operations in the Science Industries at SCQF level 7		
Qualification Number (QAN):	GV4K 47		
Regulatory Unit Number	Qualification Mandatory Units	Level	Credit Value
COGSCIM2_01	Maintain health and safety in a biomanufacturing environment		
COGSCIM3_04	Analyse and input biomanufacturing data in a Manufacturing Information Management System		
COGSCIM3_19	Monitor the routine maintenance, cleaning, disinfecting and calibration of biomanufacturing equipment		
COGSCIM3_03	Monitor and follow aseptic procedures in a biomanufacturing environment		
COGSCIM2_02	Maintain effective and efficient biomanufacturing working relationships		
Regulatory Unit Number	Optional Units Group A – 3 Units Required	Level	Credit Value
COGSCIM3_06	Encourage problem solving and innovation in a biomanufacturing team	7	16
COGSCIM4_14	Make biomanufacturing development/research presentations	7	10
COGSCIM3_11	Monitor the preparation of culture media and solutions for biomanufacturing upstream processing	7	11
COGSCIM3_13	Monitor the harvesting of biomaterial into sterile containers from a bioreactor for biomanufacturing downstream processing	7	10
COGSCIM3_15	Monitor the obtaining of biomaterial in biomanufacturing downstream processing using lysis of cells	7	13
Optional Units Group B – 2 Units Required			
COGSCIM3_16	Monitor the separation of harvested biomaterial in biomanufacturing downstream processing using normal filtration	8	17
COGSCIM3_17	Monitor the concentration and diafiltration of harvested biomaterial in downstream processing using tangential flow filtration	8	18
COGSCIM3_18	Monitor the purification of harvested biomaterial in biomanufacturing downstream processing using chromatography	8	21
COGSCIM3_12	Monitor the production of biomaterial using bioreactors in biomanufacturing upstream processing	8	15
COGSCIM3_14	Monitor the separation of harvested biomaterial for biomanufacturing downstream processing using continuous flow centrifugation	8	17

Assessment

The qualification must be assessed using the following assessment method:

- Portfolio of Evidence

Learners are required to achieve all learning outcomes within units of assessment. All assessment is subject to internal quality assurance within approved centres providing this qualification. External quality assurance of assessment and internal quality assurance within approved centres is provided by GQA Qualifications.