# Assessment Mapping (for streamlined units from new Training Packages)

*This document is used to demonstrate content validity of the assessment tool*

Table 1 Main details

| Details | Unique description |
| --- | --- |
| **Unit Code, name and release number** | MSL954003 - Relate anatomical and physiological features to laboratory samples (1) |
| **Skills Team** |  |
| **Region/Campus** |  |
| **SkillsPoint (owned by)** | Innovative Manufacturing Robotics and Science |

*NOTES:*

* *Event columns can be added or deleted as required*
* *Rows for elements and performance criteria, etc. can be added or deleted as required*
* *Each component of the unit must be mapped to at least* ***one assessment criteria*** *or* ***question*** *in one or more assessment events*
* *Do NOT delete the section labelled Foundation Skills. If the Foundation skills ARE EXPLICIT in the performance criteria, they do not need to be listed. However, if the Foundation skills ARE NOT incorporated in the performance criteria they must be listed and mapped.*
* *Dimensions of Competency must be considered when selecting assessment types to ensure that the range of tasks you have chosen cover the following:*
  + *Task Skills*
  + *Task Management Skills*
  + *Contingency Planning Skills*
  + *Job Role Environment Skills*

## Unit component mapping to assessment event/s

Table 2 Unit component mapping to assessment event/s

| Element number | Element name | Performance criteria number | Performance criteria description | Learning resources | Knowledge assessment 1  1 of 6 | Knowledge assessment 2  2 of 6 | Knowledge assessment 3  3 of 6 | Knowledge assessment 4  4 of 6 | Knowledge assessment 5  5 of 6 | Practical assessment  6 of 6 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Work with information of body systems and organs | 1.1 | Correctly identify the basic structure and main functions of human body systems |  |  | P2: Q10 |  |  |  |  |
|  |  | 1.2 | Correctly identify the basic structure and main function of organs within each body system |  |  | P2: Q10 |  |  |  |  |
|  |  | 1.3 | Use correct terminology to describe body systems and organs macroscopically |  |  | P2: Q10 |  |  |  |  |
|  |  | 1.4 | Identify broad streams of disease that effect body systems and organs |  |  | P2: Q5, Q6, Q7, Q8 |  |  |  |  |
| 2 | Work with information of tissues and cells | 2.1 | Correctly identify basic microscopic structure and main function of tissue types |  |  | P2: Q11 |  |  |  |  |
|  |  | 2.2 | Correctly identify basic microscopic structure and main function of cells |  |  |  | P1: Q8  P3: Q7, Q9 |  | P2 – Images 1-10 |  |
|  |  | 2.3 | Use correct terminology to describe tissue and cell types |  |  |  | P3: Q12 |  | P2: Images 1-10 |  |
| 3 | Identify and direct test specimens | 3.1 | Use knowledge of body systems, organs and tissues to confirm macroscopic appearance of fresh, fixed and treated biological test samples |  |  |  |  | P3: Q5 | P1 – Images 1-15 |  |
|  |  | 3.2 | Confirm macroscopic appearance of test sample matches test request |  |  |  |  |  |  | P1 – S1, S2, S3 |
|  |  | 3.3 | Direct test specimen to appropriate laboratory for dispatch |  |  |  |  |  | P1 – Images 1-15 |  |

## Foundation skills NOT explicit in the performance criteria

Table 3 Foundation skills NOT explicit in the performance criteria

| Foundation skills | Description | Learning resources | Knowledge assessment 1  1 of 6 | Knowledge assessment 2  2 of 6 | Knowledge assessment 3  3 of 6 | Knowledge assessment 4  4 of 6 | Knowledge assessment 5  5 of 6 | Practical assessment  6 of 6 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| All foundation skills are explicit in the performance criteria | | | | | | | | |

## Performance evidence

Table 4 Performance evidence

| Performance evidence | Description | Learning resources | Knowledge assessment 1  1 of 6 | Knowledge assessment 2  2 of 6 | Knowledge assessment 3  3 of 6 | Knowledge assessment 4  4 of 6 | Knowledge assessment 5  5 of 6 | Practical assessment  6 of 6 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and: |  |  |  |  |  |  |  |
| PE1 | Correctly identified the macroscopic appearance of at least 5 different test samples from each of the following: |  |  |  |  |  | P1 |  |
| PE1.1 | * organs |  |  |  |  |  | P1 – Image 2,3,5,6,12 |  |
| PE1.2 | * tissues |  |  |  |  |  | P1 – Image 1,4,5,7,10,15 |  |
| PE1.3 | * body fluids |  |  |  |  |  | P1 – Image 8,9,11,13,14 |  |
| PE2 | For each test sample, identify the appropriate laboratory for dispatch. |  |  |  |  |  | P1 – Images 1-15 |  |
| PE3 | Correctly identified the microscopic appearance of at least 5 different cell types from each of the following: |  |  |  |  |  | P2 |  |
| PE3.1 | * blood cells |  |  |  |  |  | P2 – Image 3,4,6,9,10 |  |
| PE3.2 | * tissue cells. |  |  |  |  |  | P2 – Image 1,2,5,7,8 |  |

## Knowledge evidence

Table 5 Knowledge evidence

| Knowledge evidence | Description | Learning resources | Knowledge assessment 1  1 of 6 | Knowledge assessment 2  2 of 6 | Knowledge assessment 3  3 of 6 | Knowledge assessment 4  4 of 6 | Knowledge assessment 5  5 of 6 | Practical assessment  6 of 6 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | There must be evidence the candidate has knowledge of: |  |  |  |  |  |  |  |
| KE1 | Fundamental word structure used in medical terms. |  | P1: Q1, Q2, Q3  P2: Q3 |  |  |  |  |  |
| KE2 | Body systems: |  |  |  | P3: Q1 |  |  |  |
| KE2.1 | * muscular system |  |  | P1: Q5  P2: Q10 |  |  |  |  |
| KE2.2 | * skeletal system |  |  | P1: Q4  P2: Q10 |  |  |  |  |
| KE2.3 | * digestive system: |  |  | P1: Q3  P2: Q10 |  |  |  |  |
|  | small intestine |  |  | P1: Q3 |  |  |  |  |
|  | large intestine |  |  | P2: Q9 |  |  |  |  |
| KE2.4 | * cardiovascular system |  |  | P1: Q1, Q2, Q5  P2: Q10 |  |  |  |  |
| KE2.5 | * respiratory system |  |  | P2: Q10 |  |  |  |  |
| KE2.6 | * urinary system |  |  | P2: Q10 |  |  |  |  |
| KE2.7 | * nervous system |  |  | P2: Q10 |  |  |  |  |
| KE2.8 | * sensory system |  |  | P2: Q10 |  |  |  |  |
| KE2.9 | * reproductive system |  |  | P2: Q10 |  |  |  |  |
| KE2.10 | * endocrine system |  |  | P2: Q10 |  |  |  |  |
| KE2.11 | * integumentary system |  |  | P2: Q10 |  |  |  |  |
| KE2.12 | * lymphatic/immune system |  |  | P2: Q10 |  |  |  |  |
| KE3 | Types of tissue: |  |  |  | P1: Q1, Q2, Q3  P2: Q2, 10  P3: Q11, Q12 |  |  |  |
| KE3.1 | * epithelial |  |  |  | P1: Q4, Q5 |  |  |  |
| KE3.2 | * connective |  |  |  | P1: Q6, Q7  P2: Q1  P3: Q4 |  |  |  |
| KE3.3 | * muscular |  |  |  | P3: Q5, Q12 |  |  |  |
| KE3.4 | * nervous |  |  |  | P3: Q2, Q6 |  |  |  |
| KE3.5 | * vascular |  |  |  | P3: Q3 |  |  |  |
| KE3.6 | * glandular |  |  |  | P3: Q8 |  |  |  |
| KE3.7 | * lymphatic |  |  |  | P3: Q8 |  |  |  |
| KE4 | Basic cell types, their functions and locations: |  |  |  | P2: Q3, Q4, Q5  P3: Q10 |  |  |  |
| KE4.1 | * histological |  | P3: Q1 |  | P2: Q9, Q10 |  |  |  |
| KE4.2 | * haematological |  | P3: Q1 | P2: Q1 | P2: Q6, Q7, Q8 |  |  |  |
| KE5 | Types of specimens and relating organs, including: |  |  |  |  | P3: Q2, Q3 |  |  |
| KE5.1 | * histology |  |  |  |  | P3: Q1 |  |  |
| KE5.2 | * formal and fixed tissue (punch biopsy, core biopsy, wedge biopsy, cytology, full organs) |  |  |  |  | P2: Q9, Q10  P3: Q10 |  |  |
| KE5.3 | * fresh |  |  |  |  | P3: Q9 |  |  |
| KE6 | Microbiology: |  | P2: Q5  P3: Q2 |  |  |  |  |  |
| KE6.1 | * fresh tissue |  |  |  |  | P2: Q8  P3: Q9 |  |  |
| KE6.2 | * stool |  | P2: Q6 |  |  | P1: Q5  P2: Q4 |  |  |
| KE6.3 | * body fluids: |  |  |  | P2: Q5 |  |  |  |
|  | blood |  |  |  |  | P3: Q4 |  |  |
|  | urine |  |  |  |  | P2: Q5  P3: Q8 |  |  |
|  | sputum |  | P2: Q6 |  |  | P1: Q6 |  |  |
|  | swabs |  |  |  |  | P1: Q7 |  |  |
|  | cerebral spinal fluid (CSF) |  | P3: Q3 |  |  | P1: Q3  P2: Q2 |  |  |
| KE7 | Haematology and immunohaematology: |  |  | P1: Q6 |  | P2: Q3 |  |  |
| KE7.1 | * blood products |  |  |  |  | P1: Q1, Q2 |  |  |
| KE7.2 | * bone marrow |  |  | P1: Q7 |  | P1: Q2 |  |  |
| KE8 | Biochemistry: |  | P2: Q4 |  |  |  |  |  |
| KE8.1 | * whole blood |  | P2: Q7 | P1: Q2  P2: Q2 |  | P1: Q1, Q2 |  |  |
| KE8.2 | * plasma |  |  |  |  | P1: Q2 |  |  |
| KE8.3 | * fresh tissue |  |  |  |  | P3: Q9 |  |  |
| KE8.4 | * body fluids |  | P2: Q6 |  |  | P3: Q8 |  |  |
| KE9 | Basic principles of innate and acquired immunity as they relate to each of the body systems |  |  | P1: Q8  P2: Q3, Q4 |  |  |  |  |
| KE10 | Broad streams of disease as they relate to body locations/sample types: |  |  |  |  |  |  |  |
| KE10.1 | * cancer |  |  | P2: Q6 |  |  |  |  |
| KE10.2 | * metabolic |  |  | P2: Q5 |  |  |  |  |
| KE10.3 | * microorganisms |  |  | P2: Q7 |  |  |  |  |
| KE10.4 | * hormonal |  |  | P2: Q8 |  |  |  |  |
| KE11 | Nature of precious specimens: |  |  |  |  | P2: Q6 |  |  |
| KE11.1 | * CSF |  | P3: Q3 |  |  | P1: Q3  P2: Q2 |  |  |
| KE11.2 | * time sensitive |  | P3: Q5 |  |  | P2: Q5, Q7 |  |  |
| KE11.3 | * temperature sensitive |  | P3: Q4 |  |  | P2: Q1 |  |  |
| KE11.4 | * autopsy |  | P3: Q5 |  |  | P2: Q7 |  |  |
| KE12 | Roles of different coagulants |  | P2: Q1 |  |  | P1: Q4  P3: Q6, Q7 |  |  |
| KE13 | Roles of different transport media |  | P3: Q6, 11 |  |  |  |  |  |
| KE14 | Common abbreviations for medical and pharmacological terms: |  |  |  |  |  |  |  |
| KE14.1 | * for histology: FEC, IF, EM, LM, IHC, HE, ISH |  | P3: Q7 |  |  |  |  |  |
| KE14.2 | * for microbiology: MSC, culture, sensitivity, CSF, MSU |  | P1: Q6  P2: Q2  P3: Q8 |  |  |  |  |  |
| KE14.3 | * for haematology: FBC, Hct, ESR, Coags, INR |  | P1: Q4, Q5  P3: Q9 |  |  |  |  |  |
| KE14.4 | * for biochemistry: Disacc, Fe, LFT, TFT, Chol, Trig, PSA, EUC, CEA. |  | P3: Q10 |  |  |  |  |  |

## Assessment conditions

Table 6 Assessment conditions

| Assessment conditions | Description |
| --- | --- |
|  | Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:  use of suitable resources, including:   * a range of specimens covering fresh, fixed and treated biological test samples from different body systems, organs, tissue types, cells and diseases. * Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors. |