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| Name of Use Case | Create Drug |

**Table 1.1 Verification Test Objectives – Create Drug**

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| **SYRSTO ID Number** | **Test Objective (TO)** | **Requirements**  **Number (SyRS #)** |
|  | **Happy Path** |  |
| 62 | Verify that One DrugLib application allows a pharmacist to create a ‘new drug’ with name, category, and dilution then save it successfully | 892 |
| 63 | Verify that One DrugLib retrieves existing drug categories when the pharmacist requests to create a new drug | 893 |
| 64 | Verify that One DrugLib allows the pharmacist to create a new drug name that is unique, does not contain any invalid characters and has configurable number of characters | 894 |
| 66 | Verify that One DrugLib allows the pharmacist an option to select from or unselect from ‘existing drug categories’ | 1012 |
| 68 | Verify that One DrugLib allows the pharmacist an option to create a ‘new drug category’ | 1012 |
| 69 | Verify that One DrugLib allows the pharmacist an option to create, update and remove a ‘new drug dilution’ | 1012 |
| 70 | Verify that One DrugLib saves the entered drug information into the database only if the drug name, drug category name and dilution is unique, has valid characters, and within valid range | 1012 |
| 71 | Verify that One DrugLib displays the details of newly created drug when One DrugLib successfully stores the new drug in the database | 1015 |
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|  | **Exception E1** |  |
| 74 | Verify that One DrugLib displays an error message if the pharmacist creates a new drug and the existing total number of drug reaches the configured maximum number of drugs. | 701 |
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|  | **Exception E2** |  |
| 74 | Verify that One DrugLib logs and displays an error when the system fails to retrieve existing drug categories | 709 |
| 75 | Verify that One DrugLib allows pharmacist to create a new drug once the error message is acknowledged | 712 |
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|  | **Exception E3** |  |
| 76 | Verify that One DrugLib displays an error message if the pharmacist enters a drug name which is too long, contain invalid characters and is not unique | 713 |

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| **Test Case 1: Happy Path** | | | | | | | |
| **Step No.** | **Test steps : Actions** | **Expected Results** | **SYRSTO- ID #** | **Pump Type** | **Rule Id#** | **Result**  **(P/F/NA)** | **Automation (Y/N)** |
| 1.1 | Observe the Drug Library Information window. | Verify that there are no default values for the displayed fields. | 69 | All |  |  |  |
| 1.2 | Try to save the drug library without entering any information. | Verify that the system does not allow saving. | 69 | All | EDRL\_RequiredParameter  ED\_001 ED\_002 ED\_003 ED\_004 |  |  |
| 1.3 | In the Name field, enter a drug library name that is unique, contains the valid characters and the number of characters are within the configured range. | Verify that the system accepted the entered drug library name. | 62 | All | ED\_001  EDRL\_CharactersAllowed  EDRL\_StringLength  EDRL\_DrugLibraryNameUnicity |  |  |
| 1.4 | Try to save the drug library with the name but without entering patient parameter. | Verify that the system does not allow saving. | 69 | Agilia SP MC | EDRL\_RequiredParameter  ED\_002 ED\_003 ED\_004 |  |  |
| 1.5 | Observe the units for the Patient Weight and Patient BSA fields. | Verify that Patient Weight fields have unit Kg and Patient BSA fields have unit m². | 66  68 | All | ED\_002 ED\_003 ED\_004 ED\_005 ED\_006 ED\_007 |  |  |

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| Test Case 2: Exception E2 | | | | | | | |
| **Step No.** | **Test steps : Actions** | **Expected Results** | **SYRSTO-ID #** | **Pump Type** | **Rule Id#** | **Result**  **(P/F/NA)** | **Automation (Y/N)** |
| 2.1 | Try to create another new drug library with the same name as DL1. | Verify that the system displays an error message saying that the entered name is not unique and does not create it. | 76 | Agilia SP TIVA | ED\_001  EDRL\_DrugLibraryNameUnicity |  |  |
| 2.2 | Enter a drug library name which is unique but contains invalid characters. | Verify that the system displays an error message saying that the entered name has invalid characters and does not create it. | 75 | All | ED\_001 EDRL\_CharactersAllowed |  |  |
| 2.3 | Enter a drug library name which is unique, has all valid characters but the length is not within the configured ranges of the number of characters. | Verify that the system displays an error message saying that the entered name has invalid length and does not create it. | 74 | All | ED\_001  EDRL\_StringLength  FF\_001 |  |  |
| 2.4 | Enter a drug library name which is not unique, has invalid characters and the length is not within the configured ranges of the number of characters. | Verify that the system indicates that the entered name is not unique, has invalid characters and invalid length.  Verify that the system does not create any new library. | 74  75  76 | All | ED\_001 EDRL\_CharactersAllowed  EDRL\_StringLength  EDRL\_DrugLibraryNameUnicity |  |  |
| 2.5 | Now enter a drug library name which is unique, has valid characters and the length is within the configured ranges of the number of characters. | Verify that the system accepts the entered drug library name. | 62 | All | ED\_001 |  |  |